

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/512,004
Source: Pu110
Date Processed by STIC: 10/29/04

ENTERED



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/512,004

DATE: 10/29/2004
TIME: 12:15:27

Input Set : A:\PTO.FG.txt
Output Set: N:\CRF4\10292004\J512004.raw

5 <110> APPLICANT: Association Francaise contre les Myopathies
 7 Hellenic Pasteur Institute
 9 Tzartos, Socrates
 11 Mamalaki, Avgi
 15 <120> TITLE OF INVENTION: Production of recombinant fragments of muscle acetylcholine receptor and
 16 their use for ex vivo immunoadsorption of anti-ACh receptor antibodies
 17 from myasthenic patients
 19 <130> FILE REFERENCE: PCT/GR03/00014
 C--> 23 <140> CURRENT APPLICATION NUMBER: US/10/512,004
 C--> 25 <141> CURRENT FILING DATE: 2004-10-18
 29 <160> NUMBER OF SEQ ID NOS: 5
 33 <170> SOFTWARE: PatentIn version 3.1
 37 <210> SEQ ID NO: 1
 39 <211> LENGTH: 233
 41 <212> TYPE: PRT
 43 <213> ORGANISM: Pichia pastoris
 47 <220> FEATURE:
 49 <221> NAME/KEY: CARBOHYD
 51 <222> LOCATION: (143)...(143)
 53 <223> OTHER INFORMATION:
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 60 1 5 10 15
 63 Tyr Ser Ser Val Val Arg Pro Val Glu Asp His Arg Gln Val Val Glu
 64 20 25 30
 67 Val Thr Val Gly Leu Gln Leu Ile Gln Leu Ile Asn Val Asp Glu Val
 68 35 40 45
 71 Asn Gln Ile Val Thr Thr Asn Val Arg Leu Lys Gln Gln Trp Val Asp
 72 50 55 60
 75 Tyr Asn Leu Lys Trp Asn Pro Asp Asp Tyr Gly Gly Val Lys Lys Ile
 76 65 70 75 80
 79 His Ile Pro Ser Glu Lys Ile Trp Arg Pro Asp Leu Val Leu Tyr Asn
 80 85 90 95
 83 Asn Ala Asp Gly Asp Phe Ala Ile Val Lys Phe Thr Lys Val Leu Leu
 84 100 105 110
 87 Gln Tyr Thr Gly His Ile Thr Trp Thr Pro Pro Ala Ile Phe Lys Ser
 88 115 120 125
 91 Tyr Cys Glu Ile Ile Val Thr His Phe Pro Phe Asp Glu Gln Asn Cys
 92 130 135 140
 95 Ser Met Lys Leu Gly Thr Trp Thr Tyr Asp Gly Ser Val Val Ala Ile
 96 145 150 155 160
 99 Asn Pro Glu Ser Asp Gln Pro Asp Leu Ser Asn Phe Met Glu Ser Gly
 100 165 170 175

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103 Glu Trp Val Ile Lys Glu Ser Arg Gly Trp Lys His Ser Val Thr Tyr
104 180 185 190
107 Ser Cys Cys Pro Asp Thr Pro Tyr Leu Asp Ile Thr Tyr His Phe Val
108 195 200 205
111 Met Gln Arg Leu Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Ser
112 210 215 220
115 Ala Val Asp His His His His His His
116 225 230
119 <210> SEQ ID NO: 2
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123 <212> TYPE: PRT
125 <213> ORGANISM: Pichia pastoris
129 <220> FEATURE:
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133 <222> LOCATION: (46)..(46)
135 <223> OTHER INFORMATION:
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141 <221> NAME/KEY: CARBOHYD
143 <222> LOCATION: (157)..(157)
145 <223> OTHER INFORMATION:
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152 1 5 10 15
155 Arg Asn Gln Glu Glu Arg Leu Leu Ala Asp Leu Met Gln Asn Tyr Asp
156 20 25 30
159 Pro Asn Leu Arg Pro Ala Glu Arg Asp Ser Asp Val Val Asn Val Ser
160 35 40 45
163 Leu Lys Leu Thr Leu Thr Asn Leu Ile Ser Leu Asn Glu Arg Glu Glu
164 50 55 60
167 Ala Leu Thr Thr Asn Val Trp Ile Glu Met Gln Trp Cys Asp Tyr Arg
168 65 70 75 80
171 Leu Arg Trp Asp Pro Arg Asp Tyr Glu Gly Leu Trp Val Leu Arg Val
172 85 90 95
175 Pro Ser Thr Met Val Trp Arg Pro Asp Ile Val Leu Glu Asn Asn Val
176 100 105 110
179 Asp Gly Val Phe Glu Val Ala Leu Tyr Cys Asn Val Leu Val Ser Pro
180 115 120 125
183 Asp Gly Cys Ile Tyr Trp Leu Pro Pro Ala Ile Phe Arg Ser Ala Cys
184 130 135 140
187 Ser Ile Ser Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys Ser Leu
188 145 150 155 160
191 Ile Phe Gln Ser Gln Thr Tyr Ser Thr Asn Glu Ile Asp Leu Gln Leu
192 165 170 175
195 Ser Gln Glu Asp Gly Gln Thr Ile Glu Trp Ile Phe Ile Asp Pro Glu
196 180 185 190
199 Ala Phe Thr Glu Asn Gly Glu Trp Ala Ile Gln His Arg Pro Ala Lys
200 195 200 205
203 Met Leu Leu Asp Pro Ala Ala Pro Ala Gln Glu Ala Gly His Gln Lys
204 210 215 220

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207 Val Val Phe Tyr Leu Leu Ile Gln Arg Lys His His His His His His
 208 225 230 235 240
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 213 <211> LENGTH: 241
 215 <212> TYPE: PRT
 217 <213> ORGANISM: Pichia pastoris
 221 <220> FEATURE:
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 225 <222> LOCATION: (82)..(82)
 227 <223> OTHER INFORMATION:
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 233 <221> NAME/KEY: CARBOHYD
 235 <222> LOCATION: (157)..(157)
 237 <223> OTHER INFORMATION:
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 243 Glu Ala Glu Ala Tyr Val Asp Tyr Lys Asp Asp Asp Asp Lys Glu Phe
 244 1 5 10 15
 247 Lys Asn Glu Glu Leu Arg Leu Tyr His His Leu Phe Asn Asn Tyr Asp
 248 20 25 30
 251 Pro Gly Ser Arg Pro Val Arg Glu Pro Glu Asp Thr Val Thr Ile Ser
 252 35 40 45
 255 Leu Lys Val Thr Leu Thr Asn Leu Ile Ser Leu Asn Glu Lys Glu Glu
 256 50 55 60
 259 Thr Leu Thr Thr Ser Val Trp Ile Gly Ile Asp Trp Gln Asp Tyr Arg
 260 65 70 75 80
 263 Leu Asn Tyr Ser Lys Asp Asp Phe Gly Gly Ile Glu Thr Leu Arg Val
 264 85 90 95
 267 Pro Ser Glu Leu Val Trp Leu Pro Glu Ile Val Leu Glu Asn Asn Ile
 268 100 105 110
 271 Asp Gly Gln Phe Gly Val Ala Tyr Asp Ala Asn Val Leu Val Tyr Glu
 272 115 120 125
 275 Gly Gly Ser Val Thr Trp Leu Pro Pro Ala Ile Tyr Arg Ser Val Cys
 276 130 135 140
 279 Ala Val Glu Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys Ser Leu
 280 145 150 155 160
 283 Ile Phe Arg Ser Gln Thr Tyr Asn Ala Glu Glu Val Glu Phe Thr Phe
 284 165 170 175
 287 Ala Val Asp Asn Asp Gly Lys Thr Ile Asn Lys Ile Asp Ile Asp Thr
 288 180 185 190
 291 Glu Ala Tyr Thr Glu Asn Gly Glu Trp Ala Ile Asp Phe Cys Pro Gly
 292 195 200 205
 295 Val Ile Arg Arg His His Gly Gly Ala Thr Asp Gly Pro Gly Glu Thr
 296 210 215 220
 299 Asp Val Ile Tyr Ser Leu Ile Ile Arg Arg Lys His His His His His
 300 225 230 235 240
 303 His
 307 <210> SEQ ID NO: 4
 309 <211> LENGTH: 240
 311 <212> TYPE: PRT

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Input Set : A:\PTO.FG.txt
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313 <213> ORGANISM: Pichia pastoris
 317 <220> FEATURE:
 319 <221> NAME/KEY: CARBOHYD
 321 <222> LOCATION: (92)..(92)
 323 <223> OTHER INFORMATION:
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 329 <221> NAME/KEY: CARBOHYD
 331 <222> LOCATION: (185)..(185)
 333 <223> OTHER INFORMATION:
W--> 337 <220>
 339 <221> NAME/KEY: CARBOHYD
 341 <222> LOCATION: (159)..(159)
 343 <223> OTHER INFORMATION:
W--> 347 <400> 4
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 350 1 5 10 15
 353 Leu Asn Glu Glu Glu Arg Leu Ile Arg His Leu Phe Gln Glu Lys Gly
 354 20 25 30
 357 Tyr Asn Lys Glu Leu Arg Pro Val Ala His Lys Glu Glu Ser Val Asp
 358 35 40 45
 361 Val Ala Leu Ala Leu Thr Leu Ser Asn Leu Ile Ser Leu Lys Glu Val
 362 50 55 60
 365 Glu Glu Thr Leu Thr Asn Val Trp Ile Glu His Gly Trp Thr Asp
 366 65 70 75 80
 369 Asn Arg Leu Lys Trp Asn Ala Glu Glu Phe Gly Asn Ile Ser Val Leu
 370 85 90 95
 373 Arg Leu Pro Pro Asp Met Val Trp Leu Pro Glu Ile Val Leu Glu Asn
 374 100 105 110
 377 Asn Asn Asp Gly Ser Phe Gln Ile Ser Tyr Ser Cys Asn Val Leu Val
 378 115 120 125
 381 Tyr His Tyr Gly Phe Val Tyr Trp Leu Pro Pro Ala Ile Phe Arg Ser
 382 130 135 140
 385 Ser Cys Pro Ile Ser Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys
 386 145 150 155 160
 389 Ser Leu Lys Phe Ser Ser Leu Lys Tyr Thr Ala Lys Glu Ile Thr Leu
 390 165 170 175
 393 Ser Leu Lys Gln Asp Ala Lys Glu Asn Arg Thr Tyr Pro Val Glu Trp
 394 180 185 190
 397 Ile Ile Ile Asp Pro Glu Gly Phe Thr Glu Asn Gly Glu Trp Glu Ile
 398 195 200 205
 401 Val His Arg Pro Ala Arg Val Asn Val Asp Pro Arg Ala Pro Leu Asp
 402 210 215 220
 405 Ser Pro Ser Arg Gln Asp Ile Thr Phe Tyr Leu Ile Ile Arg Arg Lys
 406 225 230 235 240
 409 <210> SEQ ID NO: 5
 411 <211> LENGTH: 243
 413 <212> TYPE: PRT
 415 <213> ORGANISM: Pichia pastoris
 419 <220> FEATURE:

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421 <221> NAME/KEY: CARBOHYD
423 <222> LOCATION: (157) .. (157)
425 <223> OTHER INFORMATION:
W--> 429 <400> 5
431 Glu Ala Glu Ala Tyr Val Asp Tyr Lys Asp Asp Asp Asp Lys Glu Phe
432 1 5 10 15
435 Ser Glu Ala Glu Gly Arg Leu Arg Glu Lys Leu Phe Ser Gly Tyr Asp
436 20 25 30
439 Ser Ser Val Arg Pro Ala Arg Glu Val Gly Asp Arg Val Arg Val Ser
440 35 40 45
443 Val Gly Leu Ile Leu Ala Gln Leu Ile Ser Leu Asn Glu Lys Asp Glu
444 50 55 60
447 Glu Met Ser Thr Lys Val Tyr Leu Asp Leu Glu Trp Thr Asp Tyr Arg
448 65 70 75 80
451 Leu Ser Trp Asp Pro Ala Glu His Asp Gly Ile Asp Ser Leu Arg Ile
452 85 90 95
455 Thr Ala Glu Ser Val Trp Leu Pro Asp Val Val Leu Leu Asn Asn Asn
456 100 105 110
459 Asp Gly Asn Phe Asp Val Ala Leu Asp Ile Ser Val Val Val Ser Ser
460 115 120 125
463 Asp Gly Ser Val Arg Trp Gln Pro Pro Gly Ile Tyr Arg Ser Ser Cys
464 130 135 140
467 Ser Ile Gln Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys Thr Met
468 145 150 155 160
471 Val Phe Ser Ser Tyr Ser Tyr Asp Ser Ser Glu Val Ser Leu Gln Thr
472 165 170 175
475 Gly Leu Gly Pro Asp Gly Gln Gly His Gln Glu Ile His Ile His Glu
476 180 185 190
479 Gly Thr Phe Ile Glu Asn Gly Gln Trp Glu Asn Ile His Lys Pro Ser
480 195 200 205
483 Arg Leu Ile Gln Pro Pro Gly Asp Pro Arg Gly Gly Arg Glu Gly Gln
484 210 215 220
487 Arg Gln Glu Val Ile Phe Tyr Leu Ile Ile Arg Arg Lys His His His
488 225 230 235 240
491 His His His

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/29/2004
PATENT APPLICATION: US/10/512,004 TIME: 12:15:28

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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 15

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Input Set : A:\PTO.FG.txt
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L:23 M:270 C: Current Application Number differs, Replaced Current Application Number
L:25 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:57 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:53
L:149 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:135
L:149 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:145
L:241 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:227
L:241 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:237
L:337 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:323
L:347 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:333
L:347 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:343
L:429 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:425